Ping: A Bimonthly e – Newsletter

HoD's Message

From the Chief Editor's Desk

Dear Reader, The year 2017 has been an eventful and fruitful year for us at the department. In 2017, we started two new BTech courses with the collaboration of IBM as BTech (CSE) with specialization in Data Analytics and BTech (CSE) with specialization in Cloud Computing & Virtualization. Throughout the year, we organized so many seminar, workshops, expert lectures along with 4th IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics (UPCON 2017).

I strongly believe that it is an outcome of our commitment to meet global benchmarks in imparting education, conducting research and serving the society. Most importantly, we keep the students in the centre of our thought and action. Their educational achievement, personal growth and employability are of paramount importance for us.

As the New Year starts, adding greater value to the student and staff members is our cardinal motive. Learning and growing are mechanisms through which we translate our philosophy into action. Our strivings for high academic quality would continue in times to come. Let me take this opportunity to wish you a very Happy and Prosperous 2018!

Prof. Anand Singh Jalal

It gives me great opportunity to present the fourth issue of *Ping: A Bimonthly e - Newsletter*. The year passed by was a year of tremendous growth for our department. 2017 was also filled with various activities by the students and faculty in academic, co-curricular, extracurricular fields.

Department of CEA started two new initiatives in the last semester as "Student of The Semester" & "Programming Excellence Award". We received good amount of nominations for both the categories. Really it was very pleasant to see the enthusiasm of students as they want to nominate themselves for these both categories. Undoubtedly selection of winners was not so easy task. So, we assembled a jury of coordinators from various departmental courses. The jury members thoroughly examined each & every nomination on the basis of several parameters.

Along with these happenings, our students produced excellent results in their placement drives. Teamwork of staff and students was the major encouraging factor in all these successes. Hope we all will work harder to achieve better results in all our endeavors in future.

Nikhil Govil

Student's Article

Sanket Agrawal

Blockchain Technology

From 1991 to 2017, from a simple idea of time stamping to the technology behind the bitcoins, blockchain technology is growing and getting popular at an exponential rate. Still, the technology is in its infancy. It's most popular application is Bitcoin. Bitcoin is a crypto-currency getting popular day by day. Today a bitcoin is equal to $ 11K (approx.), which It started with a value of $1 in 2011 to $11k (approx.) in 2017. So, is this all the use of blockchain technology or there is more to it?
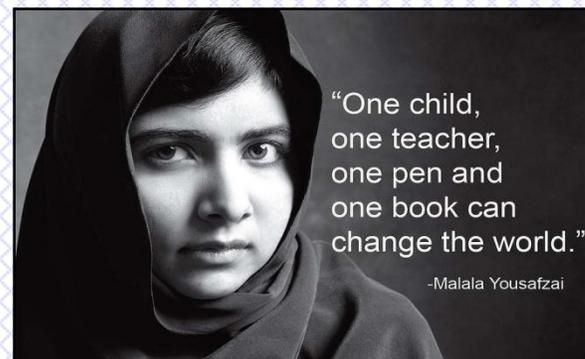
The blockchain technology can be explained using an example of a university's intranet. Suppose the students of university X created a group where students and teachers come together to contribute to a research project. To give credit to the developers of various modules developed in this project a centralized log database was created on the intranet. These credits of development are used to grade students and teachers at the end of the year. But there is a problem, as the database is on the intranet it is more prone to security threats. So, to get the credit system secure the administration decided to implement the credit system with the technology blockchain. In this when a participant, student or faculty submits a working module of the project the credit log is generated with the contributor's Id but with a little difference that the log is maintained on all the connected systems instead of one centralized system. In this manner, there is no one system to change the data and it is almost impossible to

change the data in all the nodes thus keeping the data sharable and public and at the same time, it is secure. Each time an entry is generated in the log (openly distributed ledger); the entry is connected to the previous log with a specific key. These log files of contributors are immutable which makes it even more secure. Even if the log on one node (system) is tempered there are many other nodes which have the data and thus create a system that securely shares the data with the people, as the administration of the system. This technology has far more applications than just bitcoins. Many companies such as IBM, Infosys are using this technology to implement their projects. IBM is using the technology in various other sectors than just banking. These sectors include Healthcare, Supply chain management, Digital identity ecosystem, Stock exchange solutions and many more. IBM Global Financing reduced time spent resolving financial disputes by 75% using blockchain technology[2].

The IT Industry is passing through a major reform. The technologies on which various IT companies have been working on for many decades are changing, and so have to companies change. Technologies created to solve some problem are being used in solving problems of various other domains. Just in case of blockchain technology, the openly distributed ledger has the potential to solve many other problems which will be evident in coming future.

Source:
1. www.bitcoin.com
2. www.ibm.com/blockchain/infographic/finance.html

"One child, one teacher, one pen and one book can change the world."
-Malala Yousafzai

Summer Technical Training Program

On the basis of weekly quizzes, held during Summer Technical Training Program; Department of CEA awarded the winners with goodies and certificates. The Summer Technical Training Program was started for BTech (CSE) second year students to polish and enhance their skills in 'C' programming language. All participants were provided the study materials during training program as well.

Winners of Summer Technical Training Program

Technical Workshop Organized

Workshop on THiSVD

Participants & winners of THiSVD workshop

A four days long workshop on THiSVD (Technological Hub in Scalable Virtualization and Data Analytics) was conducted by the department as the series of events on behalf of IBM and GLA University.

The faculty coordinator of this workshop was Mr. Vivek Kumar & Mr. Neeraj Kumar; Assistant Professor. Five B.Tech. (CSE) students named Himanshu Goyal (IBM-DA), Vedant Khandelwal (IBM-DA), Tanya Gangwar (IBM-CCV), Dhruv Baslas (IBM-CCV) & Sankalp Chaturvedi (IBM-DA) conducted the lab sessions of this workshop.

Through this workshop various emerging trends were discussed as along with quiz competition. The winners of this quiz were Kumar Utsav Anand (IBM-CCV), Nihit Jain (IBM-DA) & Shiva Saxena (IBM-CCV) respectively.

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Workshop on The Hacking Era

One day workshop on Hacking was conducted by the department. One BCA student named Prafull Saxena took the session & discussed various theoretical & technical aspects of hacking.

The faculty coordinators of this workshop were Assistant Professor Mr. Narendra Mohan Sharma, Mr. Anuj Mangal & Nitish Bhardwaj. Parag Khandelwal, Parvit Kumar, Shubhang Priy Dixit, Nishant Singh & Puneet Sharma were the student coordinators who conducted the lab sessions.

Prafull Saxena during his session

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Children's Day Celebration

Team Aashaein on Children's Day

Children's Day is celebrated on 14 November, on the birthday of the first Prime Minister of independent India, who was fondly called Chacha Nehru, Pt. Jawahar Lal Nehru. Pt. Nehru emphasized the importance of giving love and affection to children. To give him tribute, team Aashaein, celebrated this day among students of Primary School, Chaumuhan, Mathura by distributing sweets, stationary and goodies to the meritorious students.
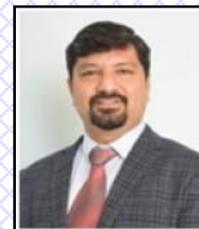
Faculty Achievements

Ph.D. Awarded

Dr. Yogesh Gupta

Dr. Yogesh Gupta, Assistant Professor; has been awarded with Ph.D. (CSE) from Dayalbagh Educational Institute (Deemed University), Agra. The title of his research is "Soft Computing Techniques For Improving Information Retrieval System" under supervision of Dr. Ashish Saini.

Research Paper Publication

Mr. Sandeep Kr. Rathore

Prof. A. S. Jalal

Sandeep Rathore, A. S. Jalal and S. Chakraborty, "An Efficient Payload Distribution Method for High Capacity Image Steganography", International Journal of Computational Systems Engineering, Inderscience, Accepted for Publication.

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Mr. Shashi Shekhar

Prof. Dilip Kr. Sharma

1. Shashi Shekhar, Dilip K. Sharma and M.M.Sufyan Beg, "Hindi Roman Linguistic Framework for Retrieving Transliteration Variants using Bootstrapping", In Proceedings of 6th International Conference on Smart Computing and Communications, ICSCC 2017, 7-8 December 2017, NIT Kurukshetra, India, Procedia (Computer Science), 2017. Scopus Indexed

2. Shashi Shekhar, Dilip K. Sharma and M.M.Sufyan Beg, "Linguistic structural framework for normalizing transliteration variants using bilingual lexicons", In Proceedings of International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT) 2017 held at AMU Aligarh during November 24-26, 2017. (Published in IEEE Xplore)

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Dr. Yogesh Gupta

1. Yogesh Gupta and Saini A. "A novel Fuzzy-PSO term weighting automatic query expansion approach using semantic filtering", Knowledge Based System, Elsevier, Vol 136, pp. 97-120, 2017. (SCI indexed, IF: 4.6)

2. Yogesh Gupta, "Selection of important features and predicting wine quality using machine learning techniques", 6th International Conference on Smart Computing and Communications, ICSCC 2017, December 2017, NIT Kurukshetra, India, published in Proceedia, Elsevier, pp. 305-317, 2017

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Representation of University at Various Platforms

Prof. Dilip Kumar Sharma

1. Prof. Dilip Kumar Sharma delivered a talk during 6th International Conference on System Modeling & Advancement in Research Trends on December 29, 2017 at Auditorium, TMU Moradabad, U.P. India.

Prof. Dilip Kumar Sharma receiving the award at TMU, Moradabad

2. Prof. Dilip Kumar Sharma was awarded for Quality and Documentation Standards presented by TMU Moradabad jointly with iNurture etc during Silver Jubilee Celebration event of IEEE Uttar Pradesh Section held on December 29, 2017 at Auditorium, TMU Moradabad, U.P. India.

3. Certificate of Appreciation was presented to Prof. Dilip Kumar Sharma by the IEEE President USA in recognition and appreciation of valuable service and contributions as IEEE Day 2017 Ambassador.

Prof. Dilip Kumar Sharma during his talk at Amity University, Dubai.

4. Prof. Dilip Kumar Sharma delivered a talk and Chair a Session in IEEE2017 International Conference on Infocom Technologies and Unmanned Systems (ICTUS'2017). (Trends and Future Directions). IEEE Conference Record No. 42058. December 18-20, 2017 at Amity University Dubai Campus Dubai International Academic City, Dubai.

5. Prof. Dilip Kumar Sharma also delivered a talk and Chaired a Technical Session during 4th International Conference on Multimedia, Signal Processing and Communication Technologies-IMPACT-2017, at Department of Electronics, AMU, Aligarh on November 25, 2017.

Prof. Dilip Kumar Sharma during his talk at AMU, Aligarh

Workshop Attended

Mr. Vivek Kumar

Mr. Vivek Kumar, Assistant Professor; attended Faculty Enablement Program (FEP) on "Big Data and Analytics" conducted by Infosys Limited at Pune Development Center, Pune during 18th to 22nd December 2017. He has been awarded as A+ Grade and Top Scorer Award.

Student's Achievement

Participation in Faculty Development Program

Mohd. Aamir Khan

Research Scholar Mohd. Aamir Khan participated in Faculty Development Program on "Pattern Recognition and Image Analysis", conducted by the Electronics & ICT Academy, IIT Roorkee from 15th – 19th December'2017.

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New Game Launched

Shikhar Srivastava

The developer of Google's one of the most popular extension – flipper; Shikhar Srivastava has developed an action – adventure game for iOS and Android platforms named 'Adventures of Baki'. In the game, the player has to join Baki, our hero, on an epic adventure to get back the fruits which were stolen by the monsters. All the adventures are based in mythical locations all across India. The game features high quality artwork and beautiful sound design which took hundreds of hours to perfect. The game is available free of cost on Google Play and is available in 10 languages.
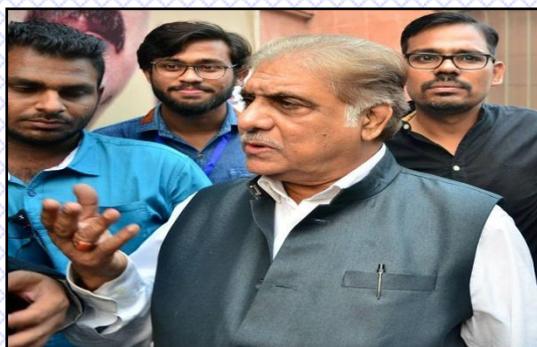
Shikhar during launching of 'Adventures Baki'

This game is going to be Shikhar's startup debut game. Shikhar recently founded his startup Crescent Game Studios Pvt. Ltd. and he is its founder and director.

Participation in International Film Festival

Udit Saxena

One of the multi - talented student of CEA, Udit Saxena; represented GLA University, Mathura in Shaan – e – Awadh Film Festival at Lucknow. This event is one of the biggest film festival organized in India every year.

Udit Saxena with Anjan Srivastava & others during event.

Udit was one of the members of organizing team and media coordinator over there as well. He also performed his talents by graphics designing, sound coordination and singing in this mega event. He also gets chance to meet the legendry TV & Cinema veteran actor Shri Anjan Srivastava & other artists.

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Awarded as "Miss Cute Uttar Pradesh"

Ritu Sharma

Ritu Sharma, student of BTech (CSE) final year, participated in Farrukhabad Yuva Mahotsava recently. She won the title as "Miss Cute Uttar Pradesh" among approximately 50 contestants.

Ritu Sharma selected as "Miss Cute".

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Research Paper Presented

Prakhar Gupta   Rakshit Negi   Shashi Shekhar

Prakhar Gupta, Rakshit Negi, Shashi Shekhar, 'Searching Made Easy: A Multi-Threading Based Desktop Search Engine', 7th International Conference on Communication Systems and Network Technologies (CSNT), IIIT Nagpur, Maharashtra 11-13 Nov, 2017.

Online Course Completion

Sanket Agrawal

Sanket Agrawal successfully completed online course on Introduction To Machine Learning with a consolidated score of 80%, organized by NPTEL – IIT Kharagpur in partnership with NASSCOM, during Jul – Sep 2017.

Sanket Agrawal successfully completed and received a passing grade in DAT210x: Programming with Python for Data Science; a course of study offered by Microsoft Corporation through edX.

New Role & Responsibilities

Mr. Neeraj Gupta

Mr. Neeraj Gupta, Assistant Professor is appointed as Programme Coordinator for MCA. He is monitoring academic and administrative activities related to MCA programme.

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Mr. Saurabh Anand

Mr. Saurabh Anand, Assistant Professor is appointed as Programme Coordinator for BTech (CSE) – With IBM Collaboration. He is monitoring academic and administrative activities related to these programmes.

New Appointments

Mr. Varun Kumar Sharma

Mr. Varun Kumar Sharma has joined the department as Assistant Professor. He is pursuing PhD (CSE) & has done MTech (CSE) both from Jaypee University of Engineering and Technology, Guna, M.P., India. He has more than five years of teaching & research experience in Computer Science & Engineering domain. His area of interest includes Wireless Sensor Network, Fuzzy Systems etc.

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Mr. Samkit Jain

Mr. Samkit Jain has joined the department as Assistant Professor. He has done MTech (CSE) from Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, M.P., India. He has more than One year of teaching experience in Computer Science & Engineering domain. His area of interest includes Image Processing.

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Mr. Akhilesh Kumar Singh

Mr. Akhilesh Kumar Singh has joined the department as Assistant Professor. He has done MTech (CSE) from Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India. He has more than Six years of teaching experience in Computer Science & Engineering domain. His area of interest includes Information Retrieval, Big Data etc.

Farewell Function

Pre final year students of MCA gave grand farewell to their seniors. The juniors extended their hearty congratulations and wish them a great future ahead.

The individual functions began by lightening lamps and garlanding the portraits of Maa Saraswati and source of inspiration Late Shri Ganeshi Lal Agrawal Ji by Prof. Anand Singh Jalal HoD-CEA, Dr. Ashish Sharma, Program Coordinator Mr. Neeraj Gupta, Mr. Rohit Agrawal, Mr. Shashi Shekhar & Mr. Saurabh Anand.

Glimpse of MCA Farewell

A number of pre final year students presented many attractive programmes. Durgesh Sharma & Ayushi Gupta were selected as Mister & Miss MCA respectively.

Announcements

Results of Student of The Semester & Programming Excellence Award

It is a matter of immense pleasure for us to declare the results of "Student of the Semester" & "Programming Excellence Award" for 2017 – 2018 (ODD Semester). These two initiatives were started in the department of CEA in last semester to promote the coding culture & to ensure multi dimensional development of our students as well.

We received good amount of nominations for both the categories. Really it was very pleasant to see the enthusiasm of students as they want to nominate themselves for these both categories. Undoubtedly selection of winners was not so easy task. So, we assembled a jury of coordinators from various departmental courses. The jury members thoroughly examined each & every nomination on the basis of several parameters. There was some tough debating going on but this was the result…

The winners of **"Students of the Semester"** are:

Tarun Kr. Garg
B.Tech. II Yr.

Vishal Kr. Gupta
B.Tech. III Yr.

Priyanshu Sharma
B.Tech. IV Yr.

The winners of **"Programming Excellence Award"** are:

Ankit Agrawal
B.Tech. II Yr.

Shivang Agrawal
B.Tech. III Yr.

Harhit Agrawal
B.Tech. IV Yr.

We congratulate all achievers & also wish them for a bright career ahead. We are also pretty sure that these initiatives will also encourage more students from all departmental courses to achieve excellence in their career. The information of prize ceremony to all winners will be informed soon.

Call For Student of the Semester

Department of CEA, GLA University; Mathura is going to start an initiative to promote healthy competition among students; by declaring "Student of the Semester" from each course of the department (year wise).

For this, students can nominate themselves and the same will be scrutinized by respective class advisor, year coordinator, program coordinator & HoD – CEA on following parameters –

1. Any excellent project undertaken,
2. Participation and achievements in any online coding / programming / project challenge (e.g. GeeksforGeeks / CodeChef / HackerRank / LeetCode / HackerEarth etc.),
3. Certification in any online course (e.g. NPTEL / MOOC / Coursera etc.),
4. Representation of University at external level in technical / cultural / sports events,
5. New Innovations,
6. Research publications (especially MTech students),
7. Tremendous Placement achievement (applicable for pre final & final year students),
8. GATE / MAT or any other competitive examination with good rank,
9. Academic achievements,
10. Etiquettes etc.

Department will declare such students in the month of January & July every year on the basis

of above set of parameters. These students will be awarded with some lucrative prizes.

To nominate themselves, students can send their entries to their respective class advisors latest by 15th December and 15th June respectively for every semester. After the deadline, panel will not consider any entry. Students can collect their nomination form from their respective class advisor/year coordinator/ program coordinator.
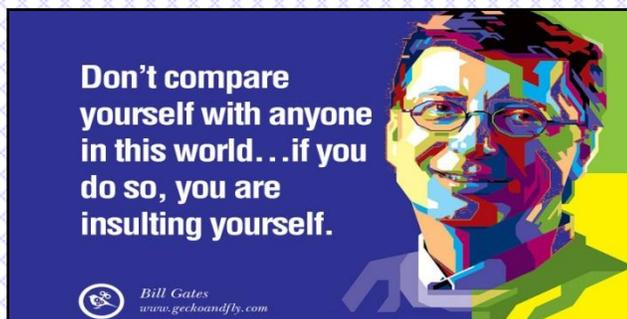
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Call For Programming Excellence Award

Department of CEA, GLA University, Mathura is glad to announce that to promote coding expertise and having an intension to develop healthy ecosystem for coding, thinking & logical ability among students, we are starting an initiative to give excellence awards for students who participate and got good rank in any online coding / programming (e.g. GeeksforGeeks / CodeChef / HackerRank / LeetCode / HackerEarth etc.)

These awards will be in following categories:
1. Best rank holders in BTech (CSE) Yr. wise,
2. Best rank holders in BCA &;
3. Best rank holders in MCA.

To take part in it, you have to submit your valid score / rank card to your respective Class Advisor / Year / Program Coordinator latest by 15th June'2018. Please note that after that no entries will be entertained. Winners will be declared in First week of July'2018.

Departmental Placement Record*

S. No.	Name of the Company	No. of Selections
1	Tata Consultancy Services	74
2	Capgemini Consulting India (P) Ltd., Pune	62
3	Infosys Ltd., Bangalore	55
4	Wipro Limited, Bangalore	38
5	Torry Harris Business Solutions, Bangalore	15
6	VVDN,Gurgaon	8
7	AGS Group,Mumbai	6
8	NIIT Technologies	6
9	Fiserv India Ltd., Noida	5
10	Xenture,Mumbai	5
11	Astrea IT Services Noida	4
12	Intellisoft Services Pvt. Ltd., Noida	4
13	Eastern Software Solutions,Banglore	3
14	Contata Solutions, Noida	2
15	Daffodil Software, Gurgaon	2
16	BYJU'S	2
17	FIS GLOBAL Business Solutions India Pvt Ltd. Gurgaon	2
18	MS Technology	2
19	Libsys Ltd., Gurgaon	1
20	SAP Labs Ltd, Bangalore.	1
21	IBM India, Bangalore	1

Source: Mr. Praveen Mittal, T&P Advisor – CEA.
* Till December'2017.

Glorious MTech Alumni

PROUD GLAian ...

MUKTA SHARMA
M.Tech. - CS
Batch - 2016
Ph.D. Scholar
IIITM, Gwalior

Don't compare yourself with anyone in this world…if you do so, you are insulting yourself.

Bill Gates
www.geckoandfly.com

PROUD GLAian ...

RADHA KHANDELWAL
M.Tech. (CS) - 2015
Software Engineer
WIPRO

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